

IN THE CLAIMS:

1. (Original) A lamp comprising:
a glass bulb;
a base attached to one end of the glass bulb;
leads for supplying electrical power; and
lead-free solder electrically connecting the leads to the base,
wherein the lead-free solder is composed mainly of Sn, further contains, at least,
between 5% and 40% inclusive of Sb and between 0% and 10% inclusive of Cu by mass, and has
a solidus temperature of at least 235°C.

2. (Original) A lamp comprising:
a glass bulb having a concave portion;
a base attached to the glass bulb so as to cover at least part of the concave portion;
a lead for supplying electrical power having an end section located in the concave
portion; and
lead-free solder poured into the concave section to electrically connect the base
and the lead,
wherein the lead-free solder is composed mainly of Sn, further contains, at least,
between 5% and 40% inclusive of Sb and between 0% and 10% inclusive of Cu by mass, and has
a solidus temperature of at least 235°C.

3. (Currently Amended) The lamp of Claim 1 or 2,
wherein the lead-free solder further contains Ni, Co, Fe, Mo, Cr, and Mn with a
combined mass content of between 0% and 0.5% inclusive.

4. (Currently Amended) The lamp of Claim 1 or 2,
wherein the lead free solder further contains Ag and Bi with a combined mass
content of between 0% and 1% inclusive.

5. (Currently Amended) The lamp of Claim 1 ~~or 2~~,
wherein, the lead-free solder further contains at least one of P, Ge and Ga, and a combined mass content of P, Ge, and Ga is between 0.001% and 0.05% inclusive.
6. (New) The lamp of Claim 2,
wherein the lead-free solder further contains Ni, Co, Fe, Mo, Cr, and Mn with a combined mass content of between 0% and 0.5% inclusive.
7. (New) The lamp of Claim 2,
wherein the lead free solder further contains Ag and Bi with a combined mass content of between 0% and 1% inclusive.
8. (New) The lamp of Claim 2,
wherein, the lead-free solder further contains at least one of P, Ge and Ga, and a combined mass content of P, Ge, and Ga is between 0.001% and 0.05% inclusive.